

Accton

Making Partnership Work

CheetahAccess™ Wireless Gateway AC-IG2004W

Quick Installation Guide





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Quick Installation Guide

CheetahAccess™ Wireless Gateway

10/100 Mbps Wireless Gateway

*with 3 10/100 Mbps (RJ-45) Ethernet LAN ports,
and 1 10Mbps (RJ-45) WAN Port*



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* Accton will provide warranty service for up to three years following discontinuance from the active Accton price list. Under the limited lifetime warranty, internal and external power supplies, fans, and cables are covered by a standard one -year warranty from date of purchase.

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Introduction

Congratulations on your purchase of Accton's CheetahAccess™ Wireless Gateway.

The CheetahAccess Wireless Gateway is a broadband router designed to share Internet Access, provide security, and to network multiple devices with and without wires. This gateway's simple installation setup can be used by the least experienced of users, while providing networking professionals with easy to configure advanced features. Please read the User Guide for advanced features of this product.

Thank you for purchasing an Accton product. We know you will enjoy the many features of the Accton CheetahAccess Wireless Gateway.

Package Contents

- One Accton CheetahAccess Wireless Gateway
- One Power Adapter (5 V, 2.4 A)
- This Quick Installation Guide
- One Installation CD
- One Category 5 Fast Ethernet Cable

Confirm That You Meet Installation Requirements

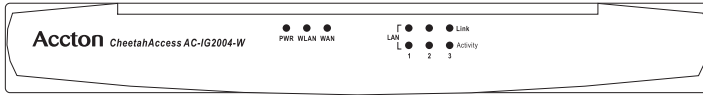
Before proceeding with the installation of your CheetahAccess Wireless Gateway, please be sure you have the following:

- A computer with an Ethernet network card installed
- Your Windows CD, if your computer is running Windows 95, 98, ME or 2000
- An Internet connection through a cable or DSL modem, or an external dial-up or ISDN modem
- An additional Ethernet network cable
- A Web browser such as Internet Explorer or Netscape

Hardware Setup

Indicator LEDs

Front Panel

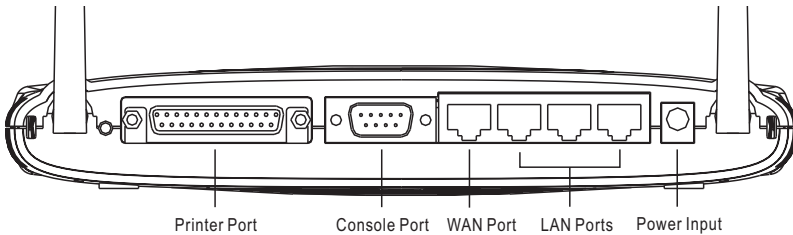


The front panel of the CheetahAccess Wireless Gateway provides indicator LEDs (Light Emitting Diodes) for easy monitoring. The following table defines the function of each LED.

| LED | Condition | Status |
|------------------|-----------|--|
| Power (green) | On | Gateway is receiving power. |
| WLAN (green) | On | The WAN port has established a valid wireless connection. |
| WAN (green) | On | The WAN port has established a valid network connection. |
| LAN | | |
| Link (green) | On | The indicated LAN port has established a valid network connection. |
| Activity (amber) | Flashing | The indicated LAN port is transmitting or receiving traffic. |

Connecting Devices

Rear Panel



- Connecting Computers with Wires:** Connect computers directly to the Gateway on ports **1-3** on the rear panel. If you have more than 3 computers to plug in, connect a hub or a switch to one of these ports and connect additional computers to that device.
- Connecting Wireless Computers:** Simply make sure your wireless computers are within range of the Gateway.
- Connecting a Cable Modem or DSL Modem:** Connect your Cable or DSL modem to the **WAN** port on the rear panel.

4. **Connecting a Dial-up Modem:** If you use an external dial-up modem or ISDN modem, connect it to the **COM** port on the rear panel.
5. **Connecting Printer:** If you have a printer that you want to share between computers, connect it to the **Printer** port using a standard parallel printer cable. Or, if your printer already has an Ethernet card, it may be plugged into ports 1-3.
6. **Power:** Plug the power adapter into the power jack (5 V/2 A).

Configuring Wireless Connections

Make sure each wireless network adapter is properly installed along with all associated drivers and utilities. (Please see your wireless adapter's documentation for complete setup information.) You may need to change certain settings for your wireless network card to communicate with the Gateway. Use the following values where they apply:

Network Type: Infrastructure

SSID: default

Channel: 6 for North America; 7 for European (ETSI); 7 for Japan

WEP Security: Disable

Note: We recommend establishing your wired connections to the Gateway before setting up your wireless connections.

Configuring Your Computer

This Quick Installation Guide provides configuration instructions for Windows 95, 98, ME, NT4.0 and 2000 as well as for Mac OS 7.x and 8.x. Please be sure that you are following the proper instruction set for your operating system.

- Configuring Your Computer with Windows 95/98/ME begins on this page.
- Configuring Your Computer with Windows 2000 begins on page 12.
- Configuring Your Computer with Windows NT 4.0 begins on page 19.
- Configuring Your Macintosh Computer begins on page 27.

Configuring Your Computer with Windows 95/98/ME

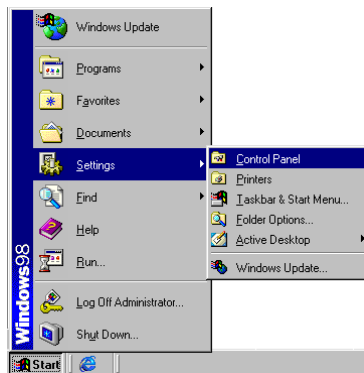
You may find that the instructions here do not exactly match your version of Windows. This is because these steps and screenshots were created from Windows 98. Windows 95 and Windows Millennium Edition are very similar, but not identical, to Windows 98.

Step 1. Configure TCP/IP Settings

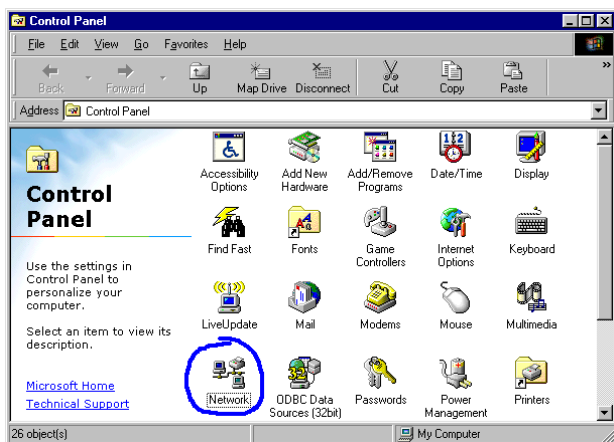
After you have completed the hardware setup by connecting your devices, configure your computer to connect to your Gateway. Many ISPs issue these numbers automatically using a networking technology known as Dynamic Host Configuration Protocol, or DHCP. Other ISPs will specify your IP address and associated numbers, which you must enter manually. This is also known as a static IP address. How your ISP assigns your IP address determines how you will configure your computer.

Here is what to do:

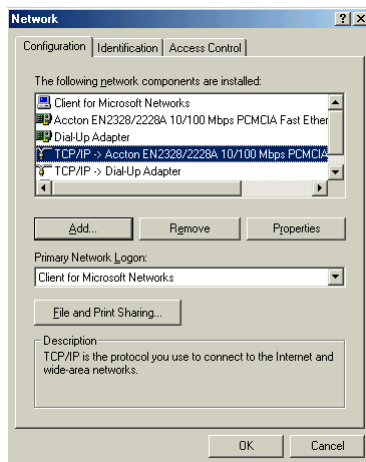
1. From the Windows desktop, click the “Start” button. Choose “Settings,” then click “Control Panel.”



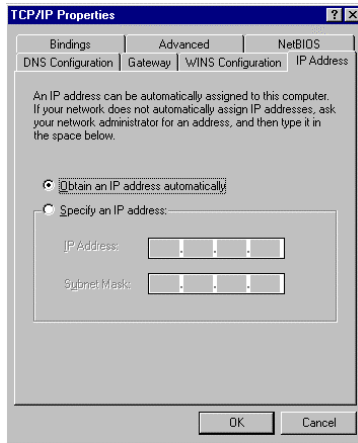
2. From “Control Panel” Double-click the “Network” icon.



3. In the “Network” window, under the “Configuration” tab, double-click the “TCP/IP” component that is listed with your network card.

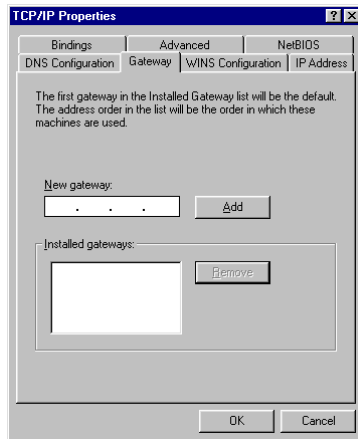


4. Select the “IP Address” tab.

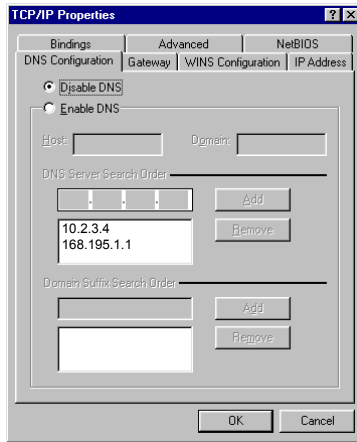


If “Obtain an IP address automatically” is already selected, your computer is already configured for DHCP. Click “Cancel” to close each window, and skip to Step 2 “Disable HTTP Proxy.”

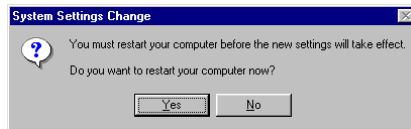
5. Locate your IP address and Subnet Mask. Record them in the spaces provided below.
6. Click the “Gateway” tab and record the numbers listed under “Installed gateways.”



7. Click the "DNS Configuration" tab. Locate the DNS servers listed under "DNS Server Search Order." Record any listed addresses.



8. After writing down your settings, check to make sure you have recorded them correctly. Click the "IP Address" tab and then click "Obtain an IP address automatically." Click "OK."
9. Windows may need your Windows 95/98/ME CD to copy some files. After it finishes copying, it will then prompt you to restart your system. Click "Yes" and your computer will shut down and restart.



TCP/IP Configuration Setting

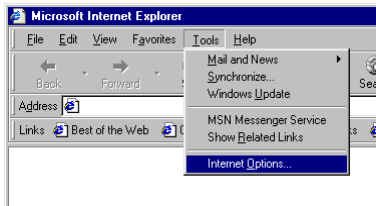
| | |
|----------------------|-------------------------------|
| IP Address | _____ . _____ . _____ . _____ |
| Subnet Mask | _____ . _____ . _____ . _____ |
| Primary DNS Server | _____ . _____ . _____ . _____ |
| Secondary DNS Server | _____ . _____ . _____ . _____ |
| Default Gateway | _____ . _____ . _____ . _____ |
| Host Name | |

Step 2. Disable HTTP Proxy

You will need to verify that the “HTTP Proxy” feature of your web browser is disabled. This is so that your Web browser will be able to view the configuration pages inside your Gateway. The following steps are for Internet Explorer and for Netscape. Determine which browser you use and follow the appropriate steps.

Internet Explorer

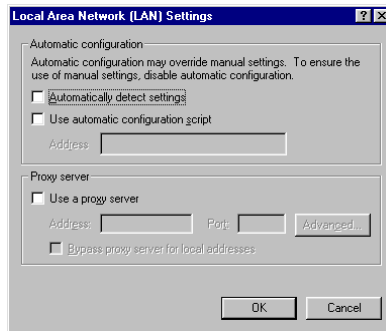
1. Open Internet Explorer and click the Stop button. Click “Tools,” then “Internet Options.”



2. In the “Internet Options” window click the “Connections” tab. Next, click the “LAN Settings...” button.



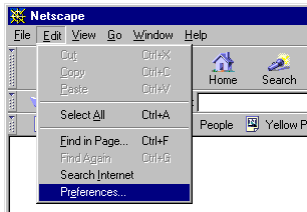
3. Clear all the checkboxes.



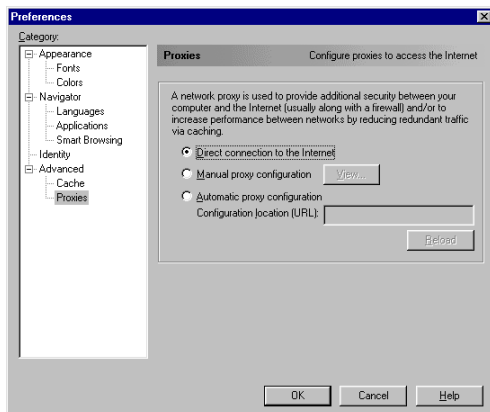
4. Click "OK," and then click "OK" again to close the "Internet Options" window.

Netscape

1. Open Netscape and click the stop button. Click "Edit," then click "Preferences..."



2. In the "Preferences" window, under "Category" click "Advanced," then click "Proxies." Select "Direct connection to the Internet." Click "OK."

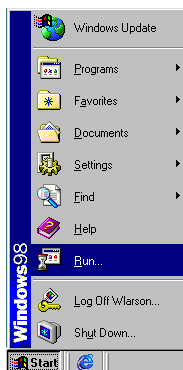


3. Repeat these steps for each Windows 95/98/ME computer connected to your CheetahAccess Wireless Gateway.

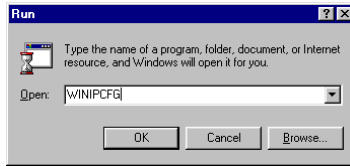
Step 3. Obtain IP Settings from Your Gateway

Now that you have configured your computer to connect to your CheetahAccess Wireless Gateway, it needs to obtain new network settings. By releasing any old IP settings and renewing them with settings from your CheetahAccess Wireless Gateway, you will also verify that you have configured your computer correctly.

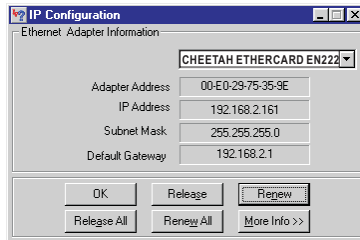
1. Click "Start," then "Run..."



2. Type "WINIPCFG" and click "OK." It may take a minute or two for the "IP Configuration" window to appear.



3. From the drop-down menu, select your network card. Click "Release" and then "Renew." **Verify that your IP address is now 192.168.2.xxx, your Subnet Mask is 255.255.255.0 and your Default Gateway is 192.168. 2.1. These values confirm that your CheetahAccess Wireless Gateway is functioning.** Click "OK" to close the "IP Configuration" window.



Now that your computer is configured to connect to your CheetahAccess Wireless Gateway, please skip to "Configuring Your CheetahAccess Wireless Gateway" page 33.

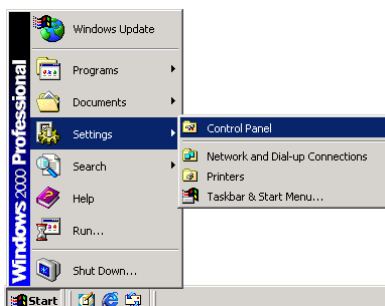
Configuring Your Computer with Windows 2000

Step 1. Configure TCP/IP Settings

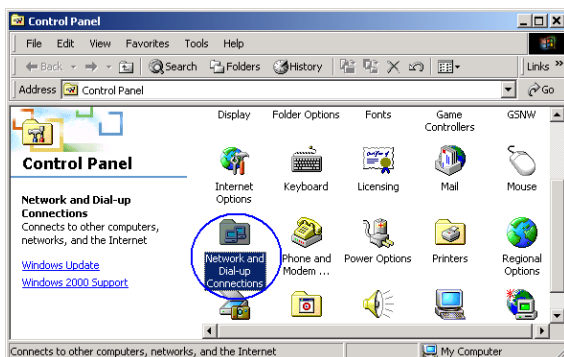
After you have completed the hardware setup by connecting your devices, configure your computer to connect to your CheetahAccess Wireless Gateway. Many ISPs issue these numbers automatically using a networking technology known as Dynamic Host Configuration Protocol, or DHCP. Other ISPs will specify your IP address and associated numbers, which you must enter manually. This is also known as a static IP address. How your ISP assigns your IP address determines how you will configure your computer.

Here is what to do:

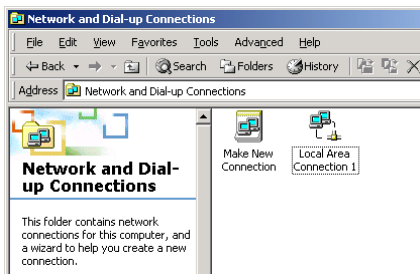
1. From the Windows desktop, click the “Start” button. Choose “Settings,” then click “Control Panel.”



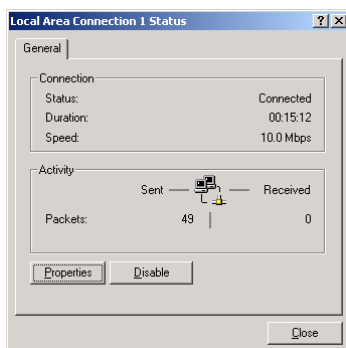
2. Double-click the “Network & Dial-Up Connections” icon.



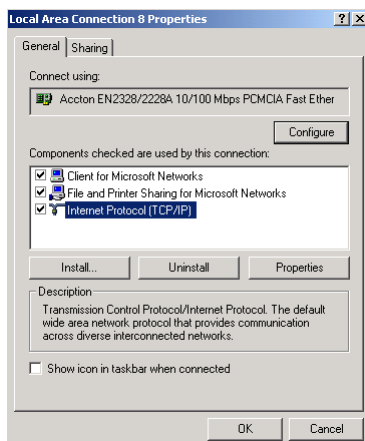
- Double-click the icon that corresponds to the connection to your CheetahAccess Wireless Gateway.



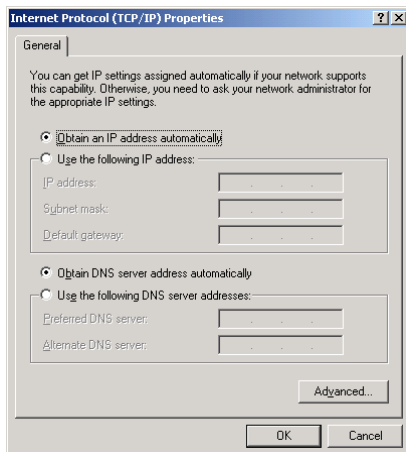
- Click "Properties."



- Double-click "Internet Protocol (TCP/IP)."



6. All information you need to record is on the “Internet Protocol (TCP/IP) Properties” dialog box. Use the spaces below to record the information.



If “Obtain an IP address automatically” and “Obtain DNS server address automatically” are already selected, your computer is already configured for DHCP. Click “Cancel” to close each window, and skip to Step 2 “Disable HTTP Proxy.”

7. Select “Obtain an IP address automatically” and then select “Obtain DNS server address automatically.” Then click “OK.” Click “OK” or “Close” to close each window.

TCP/IP Configuration Setting

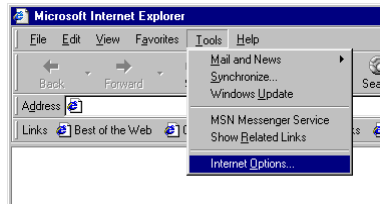
| | |
|----------------------|-------------------------------|
| IP Address | _____ . _____ . _____ . _____ |
| Subnet Mask | _____ . _____ . _____ . _____ |
| Primary DNS Server | _____ . _____ . _____ . _____ |
| Secondary DNS Server | _____ . _____ . _____ . _____ |
| Default Gateway | _____ . _____ . _____ . _____ |
| Host Name | |

Step 2. Disable HTTP Proxy

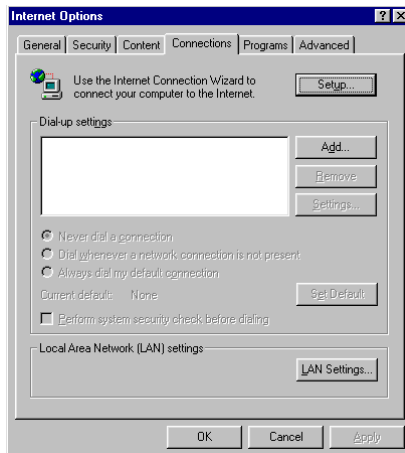
You will need to verify that the “HTTP Proxy” feature of your web browser is disabled. This is so that your web browser will be able to view the configuration pages inside your CheetahAccess Wireless Gateway. The following steps are for Internet Explorer and for Netscape. Determine which browser you use and follow the appropriate steps.

Internet Explorer

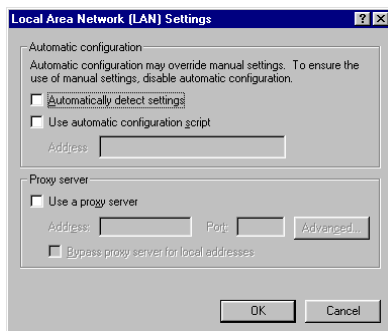
1. Open Internet Explorer and click the stop button. Click “Tools,” then “Internet Options.”



2. In the “Internet Options” window click the “Connections” tab. Next, click the “LAN Settings...” button.



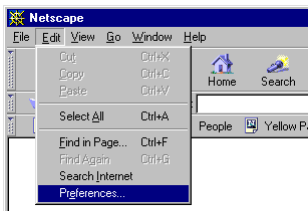
3. Clear all the checkboxes.



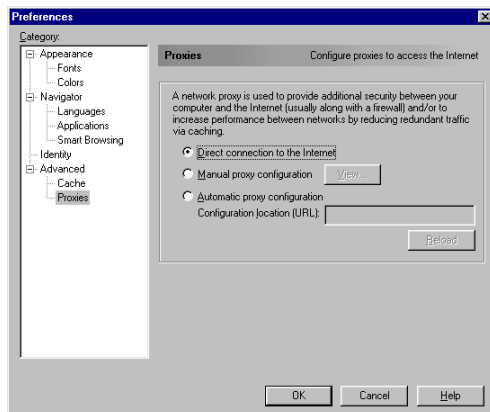
4. Click “OK,” and then click “OK” again to close the “Internet Options” window.

Netscape

1. Open Netscape and click the stop button. Click “Edit,” then click “Preferences...”



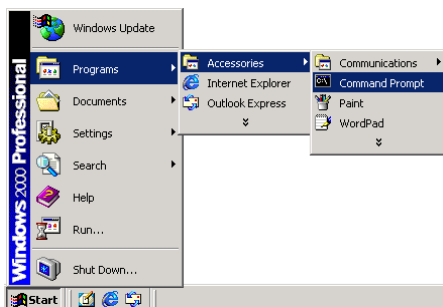
2. In the “Preferences” window, under “Category” double-click “Advanced,” then click “Proxies.” Select “Direct connection to the Internet.” Click “OK”.



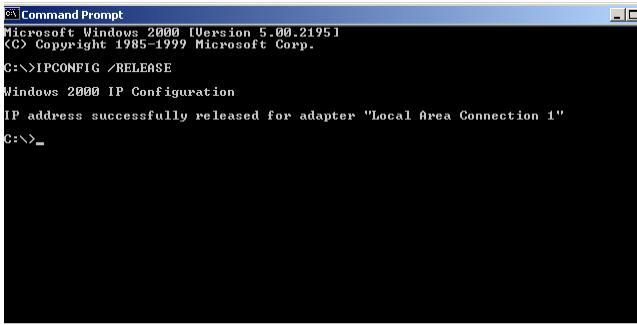
Step 3. Obtain IP Settings from Your Gateway

Now that you have configured your computer to connect to your CheetahAccess Wireless Gateway, it needs to obtain new network settings. By releasing any old IP settings and renewing them with settings from your CheetahAccess Wireless Gateway, you will also verify that you have configured your computer correctly.

1. From the Windows desktop, click the “Start” button, then “Programs,” then “Accessories,” and then click “Command Prompt.”



2. In the “Command Prompt” window, type “IPCONFIG /RELEASE” and press the <ENTER> key.



```
Microsoft Windows [Version 5.00.2195]
(C) Copyright 1985-1999 Microsoft Corp.

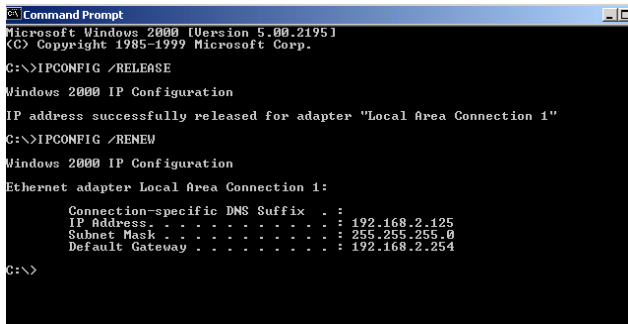
C:\>IPCONFIG /RELEASE

Windows 2000 IP Configuration

IP address successfully released for adapter "Local Area Connection 1"

C:\>_
```

3. Type “IPCONFIG/RENEW” and press the <ENTER> key. Verify that your IP address is now 192.168.2.xxx, your Subnet Mask is 255.255.255.0 and your Default Gateway is 192.168.2.1. These values confirm that your CheetahAccess Wireless Gateway is functioning.



```
Microsoft Windows [Version 5.00.2195]
(C) Copyright 1985-1999 Microsoft Corp.

C:\>IPCONFIG /RELEASE

Windows 2000 IP Configuration

IP address successfully released for adapter "Local Area Connection 1"

C:\>IPCONFIG /RENEW

Windows 2000 IP Configuration

Ethernet adapter Local Area Connection 1:

    Connection-specific DNS Suffix  . : 
    IP Address . . . . . : 192.168.2.125
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.2.254

C:\>
```

4. Type “EXIT” and press <ENTER> to close the “Command Prompt” window.

Now that your computer is configured to connect to your CheetahAccess Wireless Gateway, please skip to “Configuring Your CheetahAccess Wireless Gateway” on page 33.

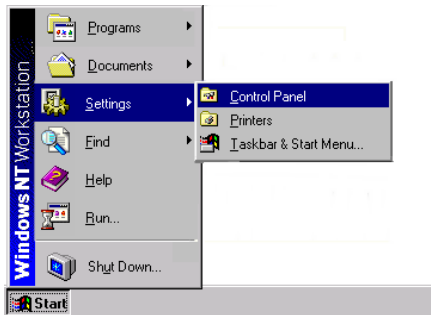
Configuring Your Computer with Windows NT 4.0

Step 1. Configure TCP/IP Settings

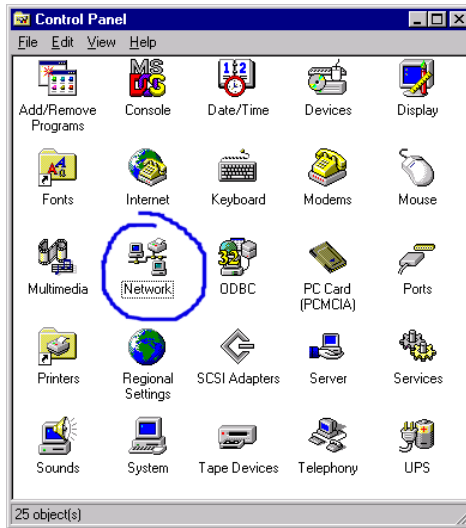
After you have completed the hardware setup by connecting your devices, configure your computer to connect to your CheetahAccess Wireless Gateway. Many ISPs issue these numbers automatically using a networking technology known as Dynamic Host Configuration Protocol, or DHCP. Other ISPs will specify your IP address and associated numbers, which you must enter manually. This is also known as a static IP address. How your ISP assigns your IP address determines how you will configure your computer.

Here is what to do:

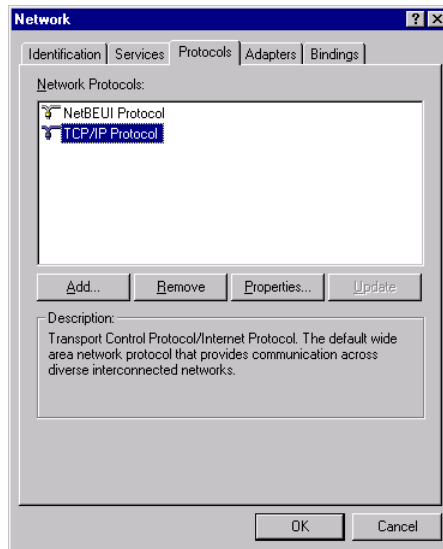
1. From the Windows desktop click “Start,” then “Settings,” and click “Control Panel.”



2. Double-click the “Network” icon.

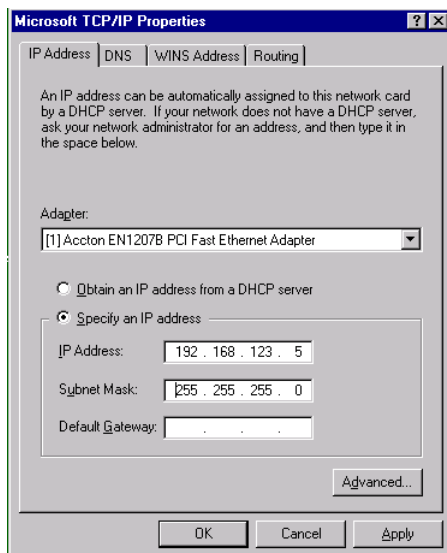


3. Select the “Protocols” tab.



4. Double-click “TCP/IP Protocol.”
5. Select the “IP Address” tab.

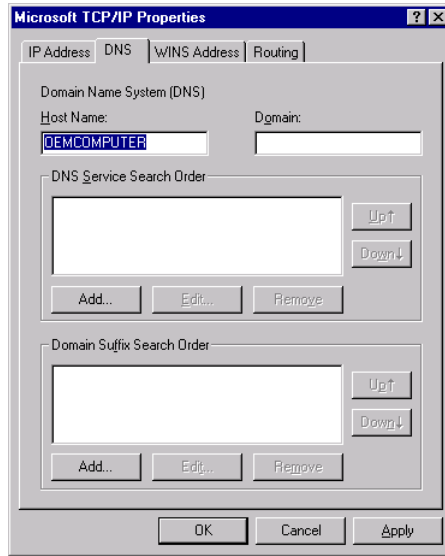
6. In the “Adapter” drop-down list, be sure your Ethernet adapter is selected.



If “Obtain an IP address automatically” is already selected, your computer is already configured for DHCP. Click “Cancel” to close each window, and skip to Step 2 “Disable HTTP Proxy.”

7. In the “TCP/IP Properties” dialog box, click the “IP address” tab to locate your IP address, subnet Mask, and default gateway. Record these values in the spaces provided below.

- Click the “DNS” tab to see the primary and secondary DNS servers. Record these values in the appropriate spaces below.



- After writing down your IP settings, click the “IP address” tab. Select “Obtain IP address automatically” and click “OK.” Click “OK” again to close the “Network” window.
- Windows may copy some files, and will then prompt you to restart your system. Click “Yes” and your computer will shut down and restart.

TCP/IP Configuration Setting

| | |
|----------------------|-------------------------------|
| IP Address | _____ . _____ . _____ . _____ |
| Subnet Mask | _____ . _____ . _____ . _____ |
| Primary DNS Server | _____ . _____ . _____ . _____ |
| Secondary DNS Server | _____ . _____ . _____ . _____ |
| Default Gateway | _____ . _____ . _____ . _____ |
| Host Name | |

Step 2. Disable HTTP Proxy

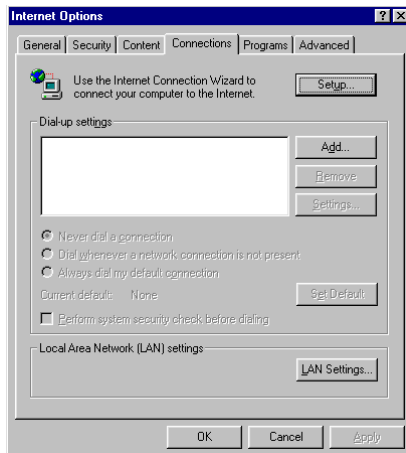
You will need to verify that the “HTTP Proxy” feature of your web browser is disabled. This is so that your web browser will be able to view the configuration pages inside your CheetahAccess Wireless Gateway. The following steps are for Internet Explorer and for Netscape. Determine which browser you use and follow the appropriate steps.

Internet Explorer

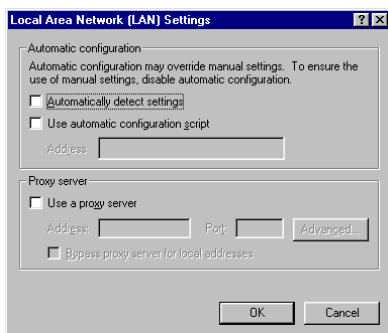
1. Open Internet Explorer and click the stop button. Click “Tools,” then “Internet Options.”



2. In the “Internet Options” window click the “Connections” tab. Next, click the “LAN Settings...” button.



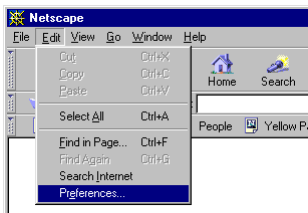
3. Clear all the checkboxes.



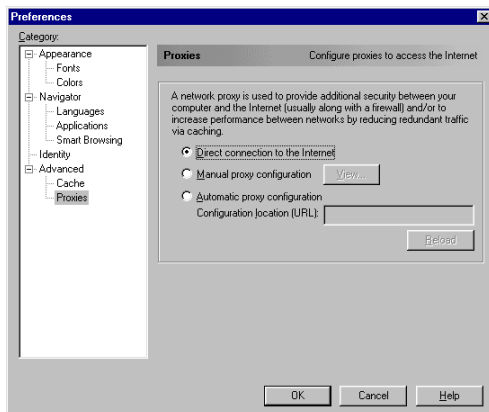
4. Click “OK,” and then click “OK” again to close the “Internet Options” window.

Netscape

1. Open Netscape and click the stop button. Click “Edit,” then click “Preferences...”



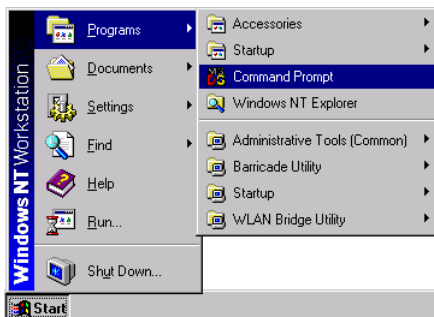
2. In the “Preferences” window, under “Category” double-click “Advanced,” then click “Proxies.” Select “Direct connection to the Internet.” Click “OK”



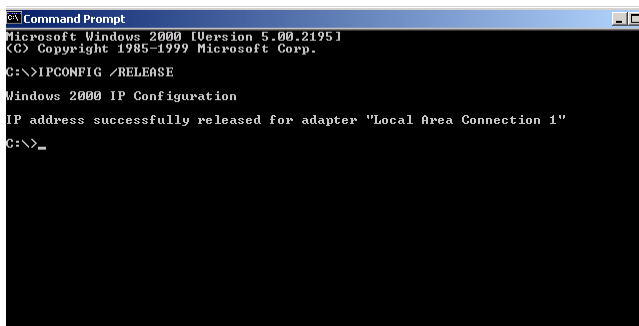
Step 3. Obtain IP Settings from Your Gateway

Now that you have configured your computer to connect to your CheetahAccess Wireless Gateway, it needs to obtain new network settings. By releasing any old IP settings and renewing them with settings from your CheetahAccess Wireless Gateway, you will also verify that you have configured your computer correctly.

1. From the Windows desktop, click the “Start” button, then “Programs,” and then select “Command Prompt.”



2. In the “Command Prompt” window, type “IPCONFIG/RELEASE” and press the <ENTER> key.



```
Command Prompt
Microsoft Windows [Version 5.00.2195]
(C) Copyright 1985-1999 Microsoft Corp.

C:\>IPCONFIG /RELEASE

Windows 2000 IP Configuration

IP address successfully released for adapter "Local Area Connection 1"

C:\>_
```

3. Type “IPCONFIG /RENEW” and press the <ENTER> key. **Verify that your IP address is now 192.168.2.xxx, your Subnet Mask is 255.255.255.0 and your Default Gateway is 192.168.2.1. These values confirm that your CheetahAccess Wireless Gateway is functioning.**
4. Type “EXIT” and press <ENTER> to close the “Command Prompt” window.

Now that your computer is configured to connect to your CheetahAccess Wireless Gateway, please continue to “Configuring Your CheetahAccess Wireless Gateway” on page 33.

Configuring Your Macintosh Computer

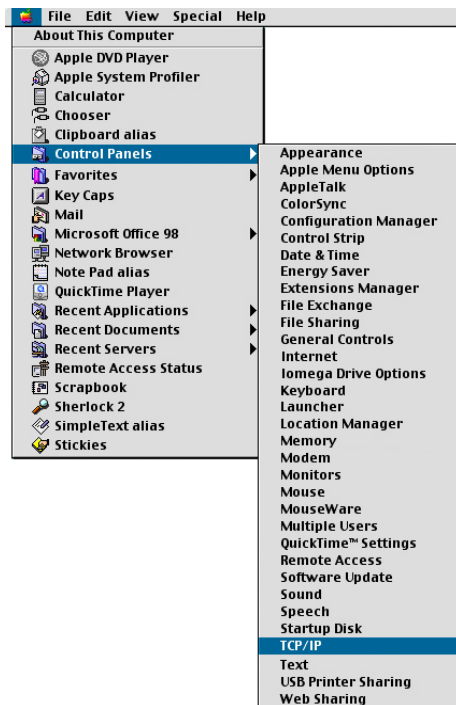
You may find that the instructions here may not exactly match your screen. This is because these steps and screenshots were created using Mac OS 8.5. Mac OS 7.x and above are all very similar, but may not be identical to Mac OS 8.5.

Step 1. Configure TCP/IP Settings

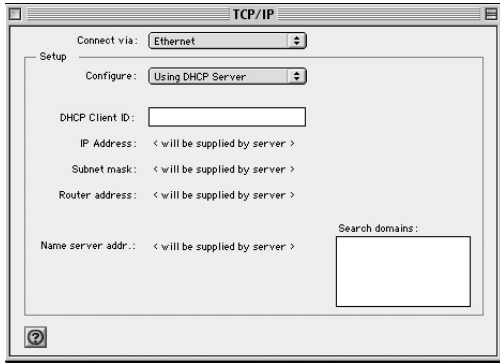
After you have completed the hardware setup by connecting your devices, configure your computer to connect to your CheetahAccess Wireless Gateway. Many ISPs issue these numbers automatically using a networking technology known as Dynamic Host Configuration Protocol, or DHCP. Other ISPs will specify your IP address and associated numbers, which you must enter manually. This is also known as a static IP address. How your ISP assigns your IP address determines how you will configure your computer.

Here is what to do:

1. Pull down the Apple Menu. Click "Control Panels" and select "TCP/IP."

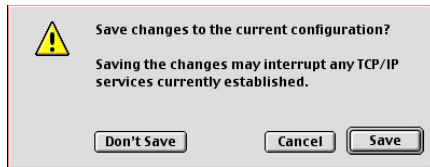


2. In the TCP/IP dialog box, make sure that "Ethernet" is selected in the "Connect Via:" field.



If "Using DHCP Server" is already selected in the "Configure" field, your computer is already configured for DHCP. Close the TCP/IP dialog box, and skip to Step 2 "Disable HTTP Proxy."

3. All the information you need to record is in the "TCP/IP" dialog box. Use the space below to record the information.
4. After writing down your IP settings, select "Using DHCP Server" in the "Configure" field and close the window.
5. Another box will appear asking whether you want to save your TCP/IP settings. Click "Save."



TCP/IP Configuration Setting

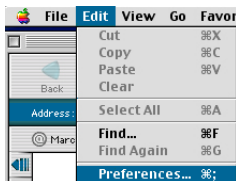
| | |
|----------------------|-------------------------------|
| IP Address | _____ . _____ . _____ . _____ |
| Subnet Mask | _____ . _____ . _____ . _____ |
| Primary DNS Server | _____ . _____ . _____ . _____ |
| Secondary DNS Server | _____ . _____ . _____ . _____ |
| Default Gateway | _____ . _____ . _____ . _____ |
| Host Name | |

Step 2. Disable HTTP Proxy

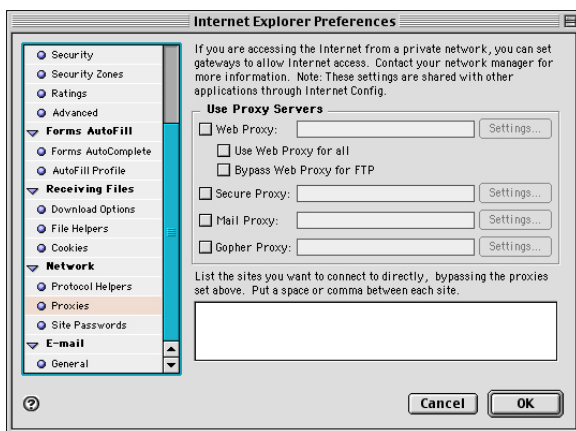
You will need to verify that the “HTTP Proxy” feature of your web browser is disabled. This is so that your web browser will be able to view the configuration pages inside your CheetahAccess Wireless Gateway. The following steps are for Internet Explorer and for Netscape. Determine which browser you use and follow the appropriate steps.

Internet Explorer

1. Open Internet Explorer and click the stop button. Click “Edit” and select “Preferences.”



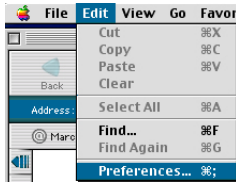
2. In the Internet Explorer Preferences window, under “Network,” select “Proxies.”



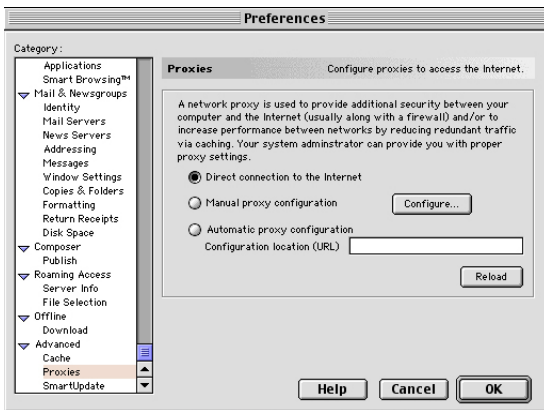
3. Uncheck all checkboxes and click “OK.”

Netscape

1. Open Netscape and click the stop button. Click “Edit” and select “Preferences.”



2. In the “Preferences” dialog box, in the left-hand column labeled “Category,” select “Advanced”. Under the “Advanced” category, select “Proxies.”

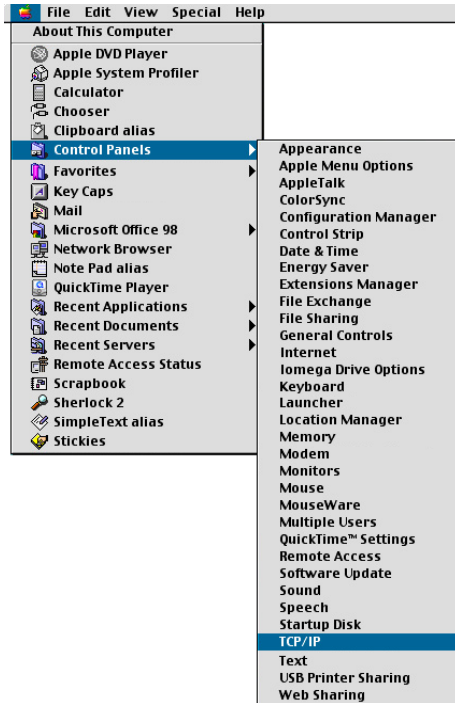


3. Select “Direct Connection to the Internet” and click “OK.”

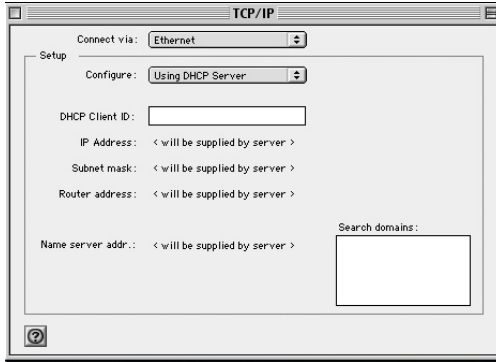
Step 3. Obtain IP Settings from Your Gateway

Now that you have configured your computer to connect to your CheetahAccess Wireless Gateway, it needs to obtain new network settings. By releasing any old IP settings and renewing them with settings from your CheetahAccess Wireless Gateway, you will also verify that you have configured your computer correctly.

1. Pull down the Apple Menu. Click “Control Panels” and select “TCP/IP.”



2. In the TCP/IP window, your new settings will be shown. **Verify that your IP address is now 192.168.2.xxx, your Subnet Mask is 255.255.255.0 and your Default Gateway is 192.168.2.1. These values confirm that your CheetahAccess Wireless Gateway is functioning.**



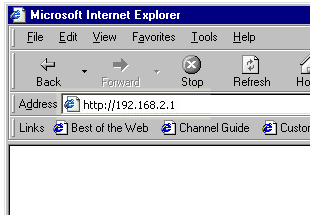
3. Close the TCP/IP window.

Now that your computer is configured to connect to your CheetahAccess Wireless Gateway, please skip to “Configuring Your CheetahAccess Wireless Gateway” on the next page.

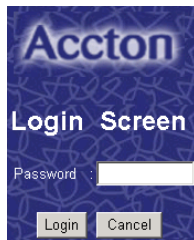
Configuring Your Gateway

Now that you have successfully configured your computer and retrieved your new network settings from your CheetahAccess Wireless Gateway, you are ready to configure the CheetahAccess Wireless Gateway's settings for your LAN.

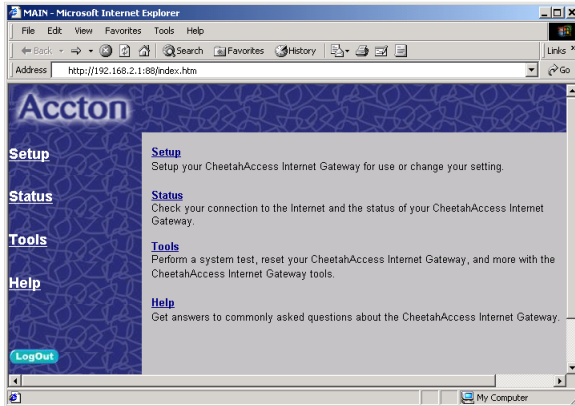
1. Open your web browser (i.e. Internet Explorer or Netscape Navigator) and click the stop button.
2. In the "Address" field type "http://192.168.2.1" and press <ENTER>.



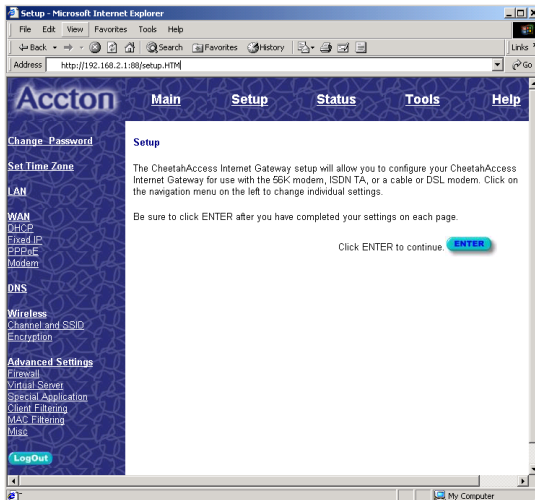
3. The CheetahAccess Wireless Gateway login screen will appear. Leave the Password field empty and click on "Login." There is no password by default. For security reasons, you should assign a password as soon as possible. Note that the password login is case sensitive.



- On the main page of the CheetahAccess Wireless Gateway web console, click “Setup.”

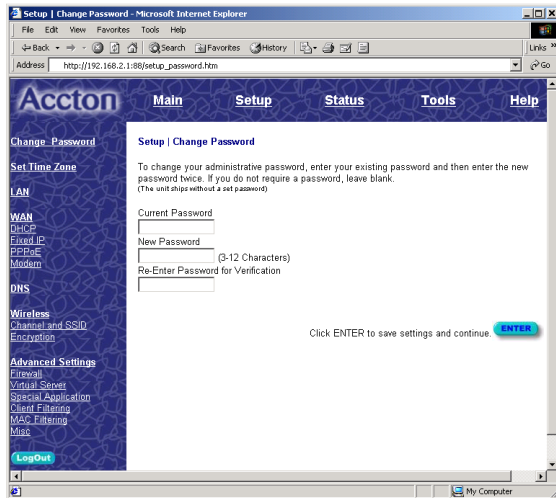


- The CheetahAccess Wireless Gateway's automated setup process will take you through each step for setting up your CheetahAccess Wireless Gateway. Click “Enter” to start the process.

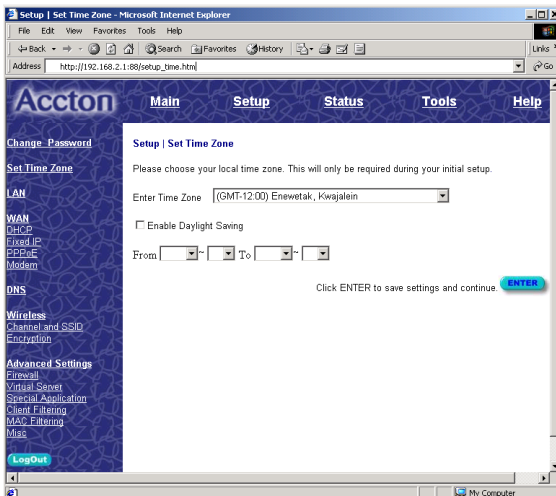


Using a password can protect your CheetahAccess Wireless Gateway from unauthorized changes. Not using a password can easily leave your CheetahAccess Wireless Gateway-and your network-open to security risks. We recommend using a password for the security of your network. If you use a password, write it down and keep it in a safe place, or make sure you can remember it.

6. In the “Change Password” screen, enter your current password in the “Current Password” field. If you have not set a password before, leave it blank. Choose a password for your CheetahAccess Wireless Gateway and enter it in the next two fields, “New Password” and “Re-Enter Password for Verification.”

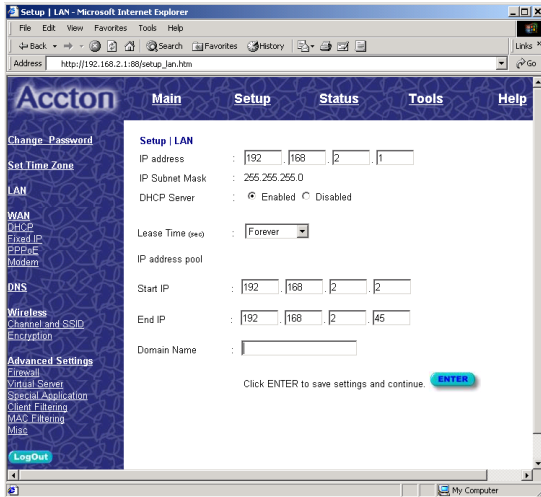


7. Click “ENTER” when finished.
8. Select your time zone from the list and click “ENTER.”

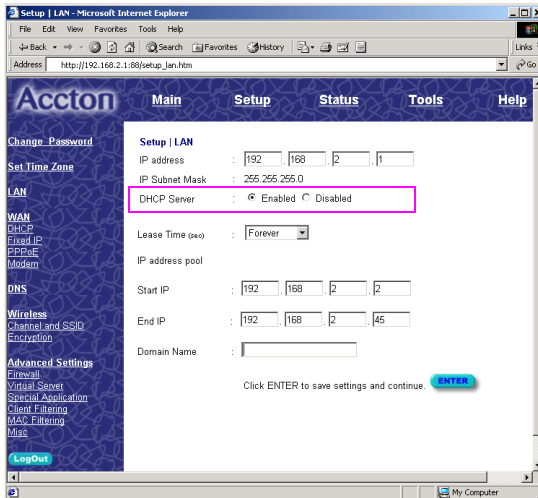


The LAN screen is where you configure the LAN (Local Area Network) settings of your CheetahAccess Wireless Gateway. These settings will only be visible to your local network and not to the Internet.

9. In most applications, you should not change the “IP address” from the default (192.168.2.1). However, if you are installing your CheetahAccess Wireless Gateway within an existing network, you may need to change it to match your current addressing scheme.



By using the CheetahAccess Wireless Gateway's built-in DHCP (Dynamic Host Configuration Protocol) server you are allowing the CheetahAccess Wireless Gateway to handle all the IP addressing on your Local Area Network (LAN). This can save you much of the time and hassle of setting up your network. If you have a server on your network that requires a static IP address, you may still use the DHCP server and manually assign a static IP address to your server. We recommend leaving the DHCP Server “Enabled.”



10. In most applications, you should leave the DHCP Server “Enabled.” If you prefer to handle all the IP addressing on your network yourself, click disable.
11. There is usually no need to change the IP address pool. If you change the pool range, make sure the first three octets match the CheetahAccess Wireless Gateway’s IP address, i.e., 192.168.2.yyy.
12. The Domain Name is optional, but this information may be specified so that it can be passed to the client PCs.
13. Click “ENTER” when finished.

At this point, the LAN side of your CheetahAccess Wireless Gateway is now configured. But you must still configure it to connect to the Internet. There are three different general configurations for high-speed Internet connections. You need to know about your Internet connection to determine which configuration to use. You found out most of what you need to know when you recorded your IP settings in earlier steps. Here are some guidelines to determine which configuration you should use:

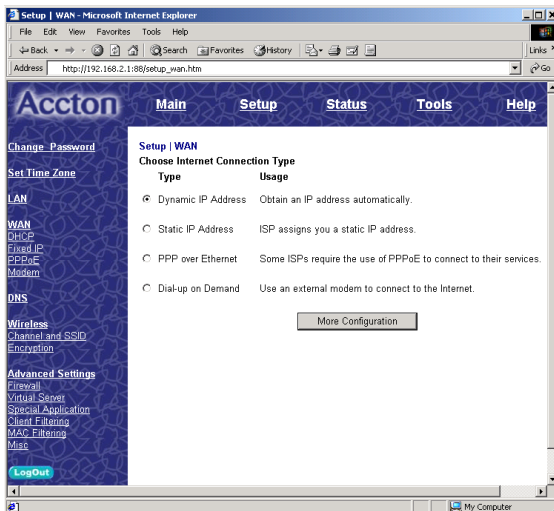
- If you connect to the Internet using a Cable Modem, your ISP probably uses DHCP to issue an IP address to you. If you use a Cable Modem or you know you use a dynamic IP address, please go to “Configuring Your CheetahAccess Wireless Gateway for a Dynamic IP Address” on the next page.

- If you connect to the Internet using a DSL Modem, your ISP probably requires you to manually enter your TCP/IP settings. If you have a DSL connection or if you know you use a static IP address, please go to “Configuring Your CheetahAccess Wireless Gateway for a Static IP Address” on page 42.
- If you connect to the Internet using a DSL Modem and you use a login name and password, your ISP uses PPPoE. If your ISP requires a login name and a password or you know your ISP uses PPPoE, please go to “Configuring Your CheetahAccess Wireless Gateway for PPPoE” on page 45.

Configuring Your Gateway for a Dynamic IP Address

Continuing from the previous steps “Configuring Your CheetahAccess Wireless Gateway” on page 33:

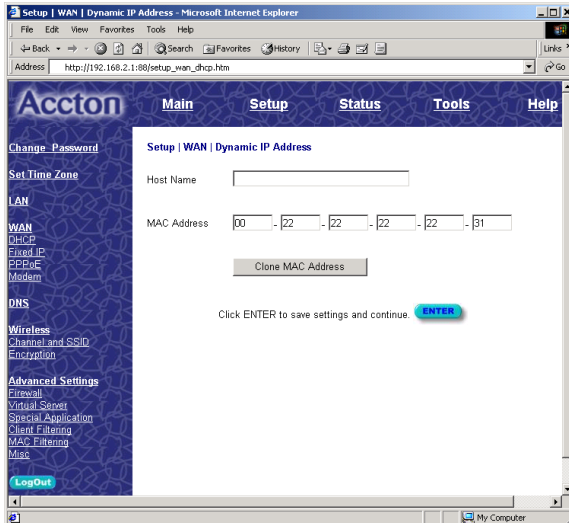
1. Select “Dynamic IP address,” and click “More Configuration.”



Both choices on this page for further configuring your dynamic IP address are optional, depending upon how your ISP works. If your ISP does not require you to change either of these, you may skip these settings.

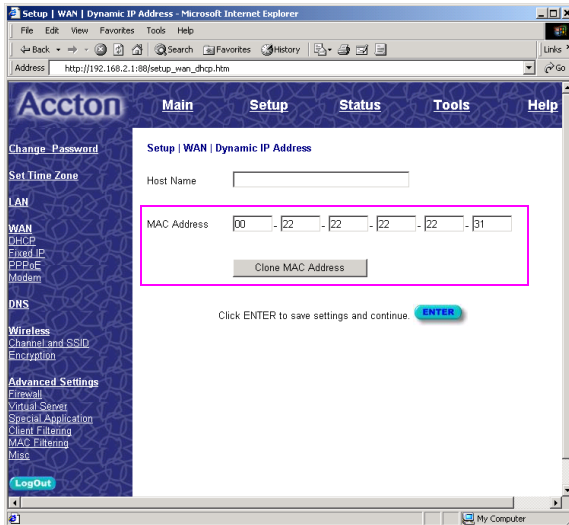
If you subscribe to an @Home cable service, your computer probably requires a “Host Name” to obtain an IP address from the @Home network.

- If you have a host name provided by your ISP (i.e. CX-1234-56789) enter it in the "Host Name" field.



Some ISPs register the MAC Address of your network card. A MAC (Media Access Control) Address is a unique identification number (in hexadecimal digits) given to each networking device. Once your MAC address is registered, the ISP's server will verify that the MAC address you are connecting with matches the one that's registered. If it does not match, you cannot connect. The CheetahAccess Wireless Gateway's MAC Address will not be the same as your network card's address—and therefore will not be the same as the address that your ISP has registered—so you may need the CheetahAccess Wireless Gateway to "Clone" the address from your network card. Then the ISP will find a MAC Address that matches the one they have recorded.

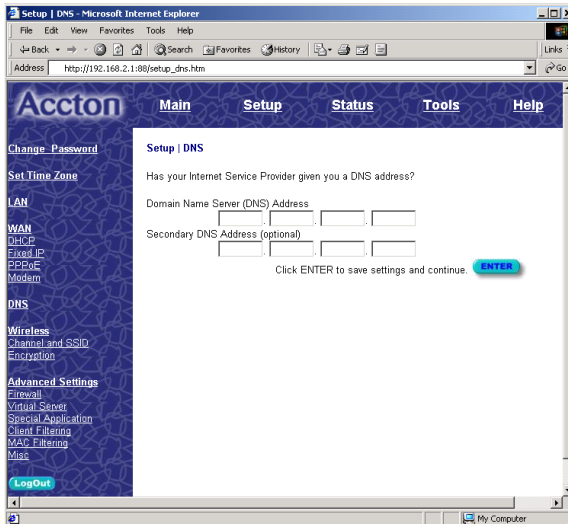
3. If you need to “Clone” the MAC Address from your network card, click “Clone MAC Address.” The MAC Address field will display the new address.



4. Click “ENTER” when finished.

A Domain Name Server (DNS) is like an index of IP addresses and Web addresses. If you type a Web address into your browser, such as www.acctontech.com, a DNS server will find that name in its index and find the matching IP address: 198.137.240.92. Most ISPs provide a DNS server for speed and convenience. Since you are connecting to the Internet with dynamic IP settings, it is likely that your DNS servers are also provided dynamically.

- If you are connecting to the Internet with a dynamic IP address, you probably do not need to enter anything here. However, if there is a DNS server that you would rather use, enter the DNS server addresses in the spaces provided.



- Click "ENTER" when finished.

Many ISP's use modems that automatically configure themselves. Sometimes connection information is stored on the modem and needs to be updated. You may need to shut down and restart your modem after you have configured your CheetahAccess Wireless Gateway.

- Restart your cable modem by removing the power, waiting a few seconds, and then reconnecting it.

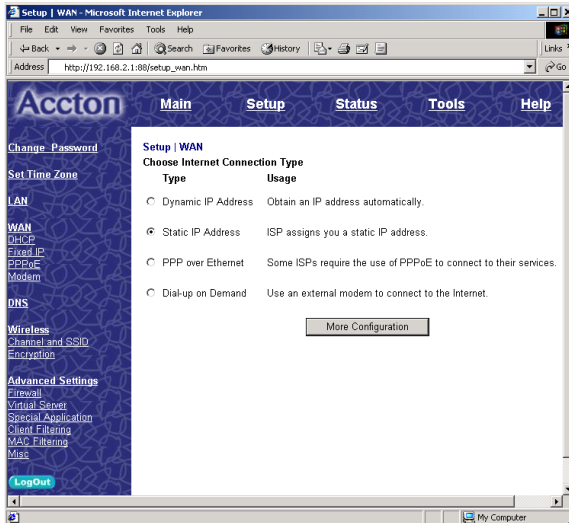
Congratulations! Configuration is complete and your CheetahAccess Wireless Gateway is now connected to the Internet. There are also some advanced configuration options that may be configured, but we do not recommend making any changes to these options unless you need to. You can consult the User Guide for information on these advanced settings.

For instructions for the advanced configuration options, please refer to Chapter 4 of the User Guide found on the CD.

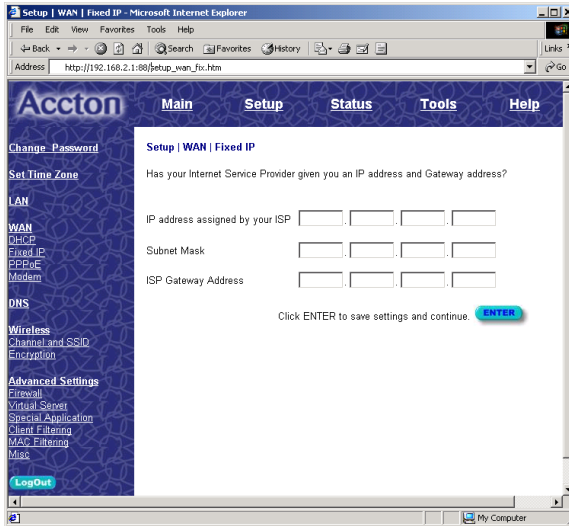
Configuring Your Gateway for a Static IP Address

Continuing from the previous steps “Configuring Your CheetahAccess Wireless Gateway” on page 33:

1. Select “Static IP address,” and click “More Configuration.”



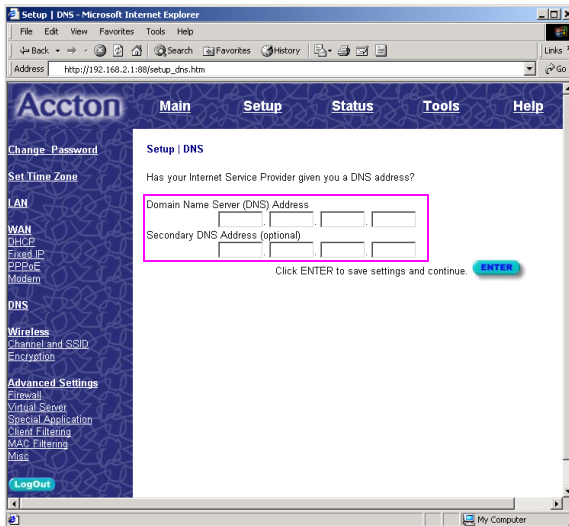
2. Enter the IP address, subnet mask, and gateway provided to you by your ISP in the appropriate fields. You recorded these numbers earlier when you configured your computer to connect to the CheetahAccess Wireless Gateway.



3. Click "ENTER" when finished.

A Domain Name Server (DNS) is like an index of names and Web addresses. If you type a Web address into your browser, such as www.acctontech.com, a DNS server will find that name in its index and find the matching IP address: 198.137.240.92. Most ISPs provide a DNS server for speed and convenience. Since you are connecting to the Internet with static IP settings, it is likely that your ISP has also provided DNS server addresses.

4. Enter the DNS server address(es) in the spaces provided.



5. Click “ENTER” when finished.

Many ISP’s use modems that automatically configure themselves. Sometimes connection information is stored on the modem and needs to be updated. You may need to shut down and restart your modem after you have configured your CheetahAccess Wireless Gateway.

6. Restart your **DSL modem** by removing the power, waiting a few seconds, and then reconnecting it.

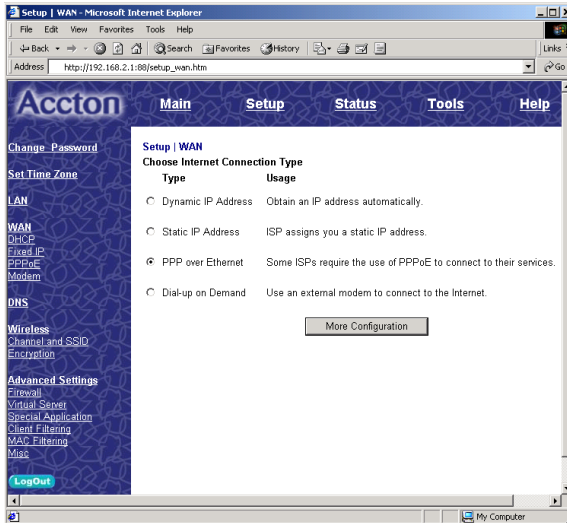
Congratulations! Configuration is complete and your CheetahAccess Wireless Gateway is now connected to the Internet. There are also some advanced configuration options that may be configured, but we do not recommend making any changes to these options unless you need to.

For instructions for the advanced configuration options, please refer to Chapter 4 of the User Guide found on the CD.

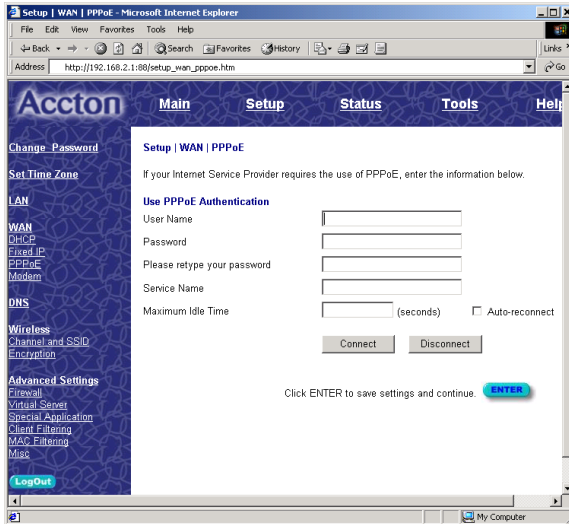
Configuring Your Gateway for PPPoE

Continuing from the previous steps “Configuring Your CheetahAccess Wireless Gateway” on page 33:

1. Select “PPP over Ethernet,” and click “More Configuration.”



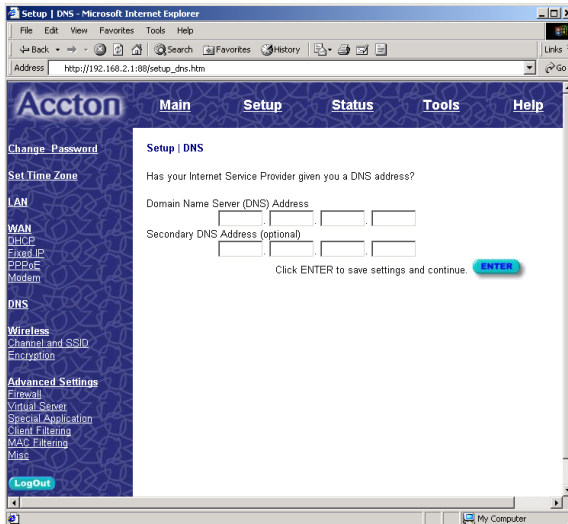
2. Enter the User Name and Password required by your ISP in the appropriate fields. Enter the password again for verification in the “Please retype your password” field.



3. If your ISP has provided you with a “Service Name” enter it in the “Service Name” field, otherwise, leave this field blank.
4. Click “ENTER” when finished.

If you type a Web address, such as www.acctontech.com, into your browser, a DNS server will find that name in its index and find the matching IP address: 198.137.240.92. Most ISPs provide a DNS server for speed and convenience. Since you are connecting to the Internet with dynamic IP settings, it is likely that your DNS servers are also provided dynamically.

- If you are connecting to the Internet through PPPoE, you probably do not need to enter anything here. However, if there is another DNS server that you would rather use, enter the DNS server addresses in the spaces provided.



- Click "ENTER" when finished.

Many ISP's use modems that automatically configure. Sometimes connection information is stored on the modem and needs to be updated. You may need to shut down and restart your modem after you have configured your CheetahAccess Wireless Gateway.

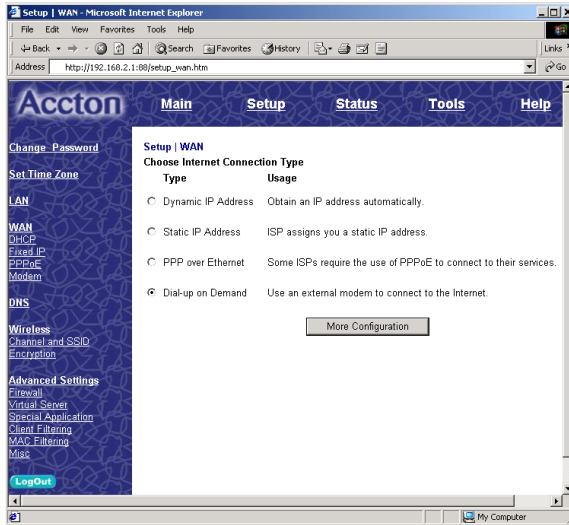
- Restart your DSL modem by removing the power, waiting a few seconds, and then reconnecting it.

Congratulations! Configuration is complete and your CheetahAccess Wireless Gateway is now connected to the Internet. There are also some advanced configuration options that may be configured, but we do not recommend making any changes to these options unless you need to.

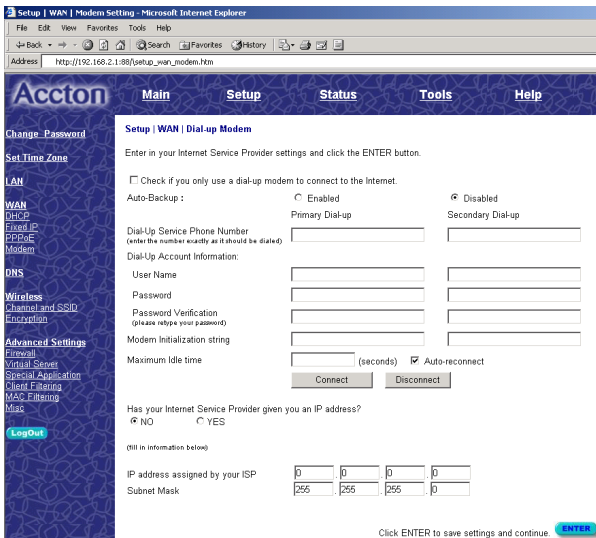
For instructions for the advanced configuration options, please refer to Chapter 4 of the User Guide found on the CD.

Configuring Your Gateway for Dialup on Demand

1. Select "Dialup on Demand," and click "More Configuration."



2. If the serial port is used for primary Internet access, then check the item "Check if you only use a dial-up modem to connect to the Internet." If not checked, then this connection will only be used for backup access if the primary WAN link fails.



3. Enter your ISP account user name and password in the "Dial-Up Account Information."
4. Enter the "Modem Initialization String" provided by your modem manufacturer. The following is a sample initialization string: "ATQ1SO=1&D0&K0&W" as defined below:

Q1 : Inhibit result codes to DTE
S0=1 : Auto answer on first ring
D0 : Don't care DTR
K0 : Disables DTE/DCE flow control
W : Write command to modem memory
5. In the "Maximum Idle time" field, enter the maximum idle time for the CheetahAccess Wireless Gateway (in seconds).
6. If you are assigned a dynamic IP address every time you dial up, select "No" for "Has your Internet Service Provider given you an IP address?" However, if your ISP has assigned a fixed IP address for you to use, select "Yes" for this item and enter the IP address and subnet mask.
7. If your ISP has given you a secondary phone number, or if you have a secondary Internet service account, then fill in the relevant fields under "Secondary Dial-up."

Configuring Your Computer for the Gateway Print Server

If you are not connecting your printer to your CheetahAccess Wireless Gateway, skip this section.

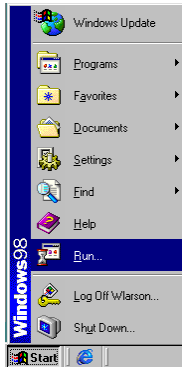
With the CheetahAccess Wireless Gateway's built-in print server, you can connect your printer to the CheetahAccess Wireless Gateway and print from any computer on your network. Each computer needs to have a "client" installed that will communicate with the CheetahAccess Wireless Gateway's print server. Windows 2000 and UNIX and Linux operating systems have a print client already installed. If you are running Windows 95, 98, ME, 2000, or NT, you must use the Accton CheetahAccess Print Server Monitor as your print client.

Configuring Your Computer for the Gateway Print Server for Windows 95/98/NT/ME/2000

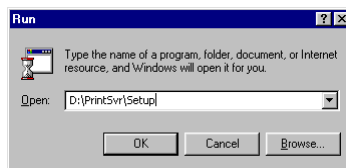
Step 1: Installing the Print Server Monitor

You must first install the software that will allow your programs to print to the printer attached to the CheetahAccess Wireless Gateway.

1. Insert the Installation CD into your CD-ROM drive.

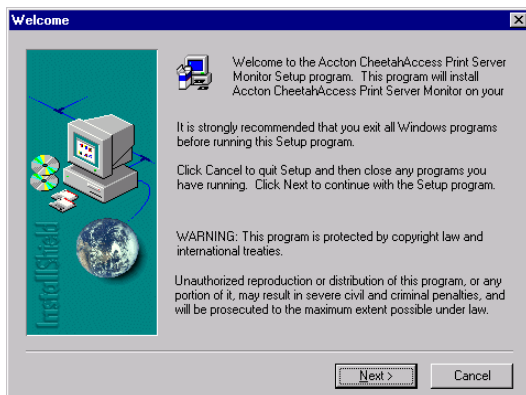


2. Click "Start" and "Run..."

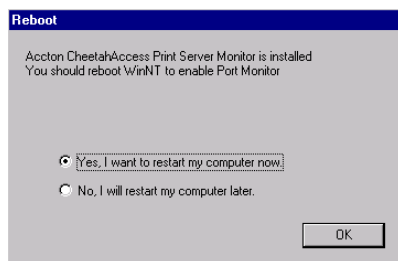


3. Type "D:\PrintSvr\Setup" and click "OK."

4. InstallShield will guide you through the installation process. Click "Next >" for each window and "Finish" when complete.



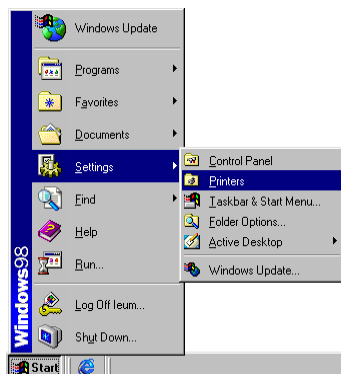
5. Windows must reboot for the changes to take place. When asked if you want to reboot now, select yes and click "OK."



Step 2: Configuring the Print Server Monitor

Now that the software is installed, it must be configured to work properly.

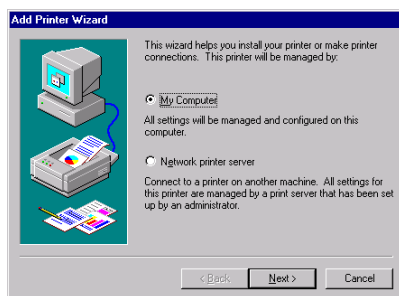
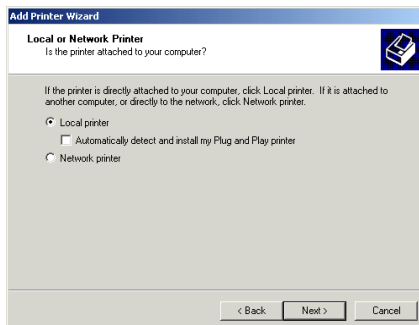
1. Click “Start,” select “Settings,” and then select “Printers.”



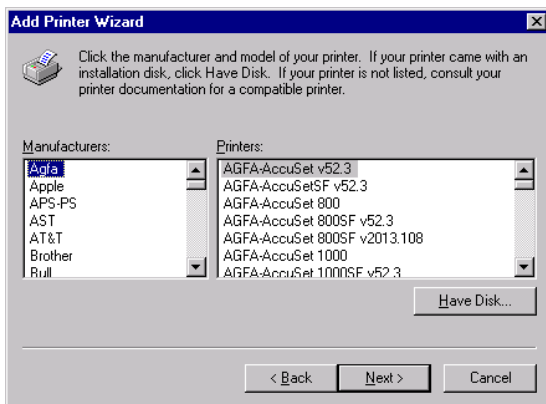
2. Double-click “Add Printer.”



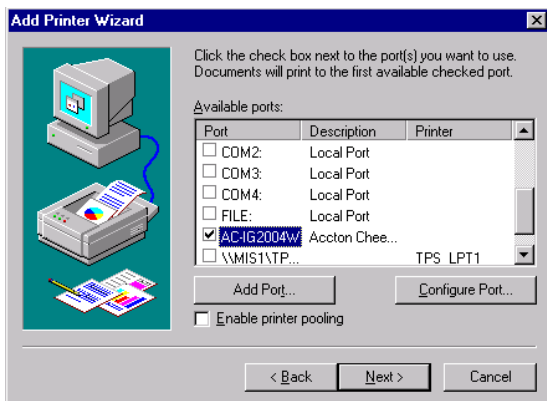
- Follow the screen prompts to add your printer as a “Local printer” for Windows 95/98/ME/2000 or as a printer managed by “My Computer” for Windows NT.



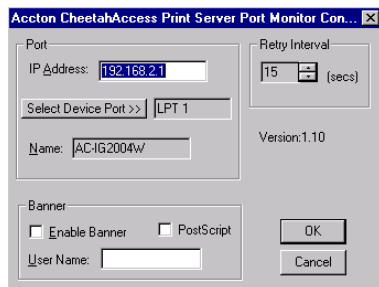
- From the list of manufacturers and printers in the next window, select the printer you have attached to the CheetahAccess Wireless Gateway.



- Select the Accton CheetahAccess Print Server Monitor (the default port name is "AC-IG2004W") and click "Configure Port..."



- Enter the CheetahAccess Wireless Gateway's IP address in the "IP address" field (default is 192.168.2.1) and click "OK."



- You will be asked if you want to print a test page. Click "Yes" to make sure that your printer is configured correctly.
- Your printer will now appear in the "Printers" window. Your computer is configured to print via the CheetahAccess Wireless Gateway Print Server. Repeat these steps on each computer connected to the CheetahAccess Wireless Gateway.

Configure the Network Printer in Unix Systems

Follow the traditional configuration procedure on Unix platforms to set up the CheetahAccess Wireless Gateway print server. The printer name is "lpt1."

Common Configurations for Popular ISPs

| WAN Types | Characteristics | Popular ISPs |
|---------------------------|---|---|
| Dynamic IP (Clone MAC) | Cable modem ISP, non-hostname based. Need to clone mac in the DHCP page of router. | MediaOne, RoadRunner, Optimum Online, Time Warner, Charter and Adelphia |
| Dynamic IP (Hostname) | Cable ISP, Requires Hostname to authenticate ie. cx213818-B. Need to enter the hostname in the DHCP page of the router, exactly as it appears in your documentation. | @Home Network, Cogoco, ComCast, Cox, Excite, Rogers, Shaw, Insight, Videotron, SCV MaxOnline |
| PPPoE (DSL) | Usually special software installed on PC, MacPOET/WinPOET, EnterNet 300. CheetahAccess has this software built in and you can remove it from your pc. You will need to enter the account name and password that your ISP provided to you in the PPPoE page of the router. Leave the service name blank unless your ISP requires it. | Bell*, Century Tel, Citizens, Primus, Prodigy, Snet, Sprint FC, Verizon, First World, Brightnet, Earthlink, Ameritech, Covad, Mindspring, Sympatico DSL, USwest, SingNet Broadband, SingTel Magix, Pacific Internet Broadband |
| Static (DSL) | DSL Modem, always on. Need to enter ALL IP information from ISP in the "Fixed IP" section of the router. | CableSpeed, Cnet, Direct Link, Drizzle, DSL Extreme, Earthlink Wireless, Fast Point, Flashcom, GTE-WhirlWind, Heavenet, HSA Corp, I-55, InterAccess, LinkLine, Mission, Nauticom, NAS, Omnitel, Onterra, Phatpipe, Rhythms, Speakeasy, Sterling, XO, Zyan |
| Static (Cable) | Cable Modem, Always on, ISP assigns specific IP information which needs to be entered on the "Fixed IP" page of the router. | Cox Cable, Sprint, US Cable, Cable-Cable |

AC-IG2004W
E112001-R01
Part Number: 650.10512
150200005600A